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Thomas Luber

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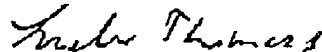
DECLARATION OF CO-INVENTOR

I, Thomas Luber, an individual, residing at Schalkenthauer Weg 32, 92256 Hahnbach, Germany,
10 being an experienced engineer in the field of planar coils and being a co-inventor of the US
patent application serial no. 10/527,765, declare as follows:

I am not only familiar with my instant co-invention, but I am also familiar with another invention
of my co-inventor Martin Zapf, namely the invention according to the patent US 6,852,937 B2
15 (Martin Zapf et al). This earlier invention of Zapf et al. discloses in Figure 2 an inductive
switching unit 2 that is also described in column 2, lines 25 to 51 of the patent. In this switching
unit 2, an exciter loop 12 is surrounded by a sensor loop 13 (see also Figure 3). The skilled
worker understands that said exciter loop 13 excites said sensor loop 12 by a magnetic coupling
field which is produced by the oscillating power source 12.

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The main effect between the exciter loop 12 and the sensor loop 13 (forming a so-called planar
transformer) is the so-called counter inductivity of the transformer 12, 13. A negligible effect in
this transformer configuration is the so-called *scattering or self* inductivity of the sensor loop 13
that has a very small magnitude in this closely coupled transformer configuration and that is not
25 used here (in the prior art) for switching purposes. Rather, the magnetic coupling (counter
inductivity) between the planar coils 12 and 13 is changed by the activation unit 3 and this effect
is used for the switching effect. The counter inductivity of the transformer 12, 13 is (according to
the knowledge of the skilled worker) a magnetic effect that is quite different from the other
magnetic effect of so-called self inductance. Omitting the exciter coil 12 and the oscillating
30 power source 11 leads to a substantially different configuration.



Thomas Luber

35 Engineer